

New York Jan<sup>y</sup> 8<sup>th</sup> 1857

My dear Sir

Your favor of the 7<sup>th</sup> is just rec<sup>d</sup>, and I hasten to reply. In the assay office I use no mercury except in the bottom of the Amalgamator. But for gold mining, where the gold is in very fine particles I recommended mercury to be used in the Hopper of the Separator, and finding this gave an increased product of gold, I told Mess<sup>rs</sup> Morris to make any that I may order in future, so that mercury can also be used in the Hopper of the Amalgamator. As your Sweep contains more silver than ours, I think it would be well to have the hopper altered so as to contain mercury, and then you can use it, with or without. The plan proposed for altering this hopper, will give room for only a small quantity of mercury in it, and consequently <sup>this portion</sup> it will require to be strained almost daily.

Yours most truly

Prof. Jas. C. Booth.

Edward Kent



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Edw. S. Kent  
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